INSTRUCTIONS

# Yukon Mobile Player/Recorder

www.yukonopticsglobal.com

RoHS COMPLIANT PRODUCT

# WARNING

**To prevent fire or shock hazard, do not expose the unit to rain or moisture.**

**Attention**

**The electromagnetic fields at the specific frequencies may influence the picture of the recorder.**

**Be sure to read the following before using the recorder and the mini Camera.**

**Trial recording**

**Before you record one-time events, you may want to make a trial recording to make sure that the recorder and the camera are working correctly.**

**Notes on image data compatibility**

**Playback of moving images recorded with your recorder on other equipment**
**and playback of moving images recorded or edited with other equipment on your recorder are not guaranteed.**
**Do not shake or strike the recorder**
**In addition to malfunctions and inability to record moving images, this may render the SD card unusable of image data breakdown, damage or loss may occur.**

**LCD screen and mini camera**

**Be careful when placing the camera near a window or outdoors. Exposing the LCD screen or the lens of camera to direct sunlight for long period may cause malfunctions.**

**Back up recommendation**

**To avoid the potential risk of data loss always copy data to a disk.**

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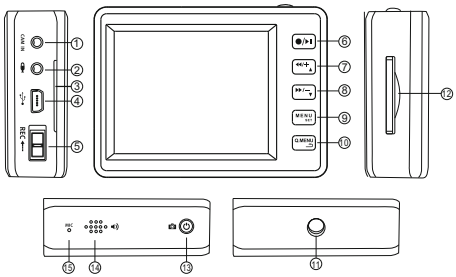
## Getting Started

### Components and control elements




① Camera/AV in
② Microphone input
③ LED indicator
④ AV OUT/USB/DC IN
⑤ REC/OFF switch button
⑥ [●/▶II] Play / OK
⑦ [⏮/VOL+] REW / VOL +
⑧ [⏭/VOL-] FWD / VOL -
⑨ [MENU] Menu key
⑩ [G.MENU] Return key
⑪ Tripod thread
⑫ SD card slot
⑬ Power/photo
⑭ Speaker
⑮ Built-in microphone

### Package contents

- Yukon Mobile Player/Recorder
- USB cable
- AV IN cable
- AV OUT cable
- Digisight N550/N750 cable
- Audio cable
- Waist clip
- Rechargeable battery
- AC Charger
- SD memory card
- User manual
- Warranty card

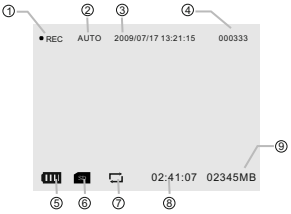
*For improvement purposes, design of this product is subject to change.*

## LCD screen indicators

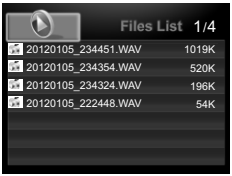
### Playback Mode

⑩

### Recording Mode

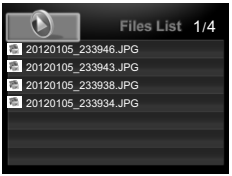



### Playback Mode




⑪

### Playback Mode

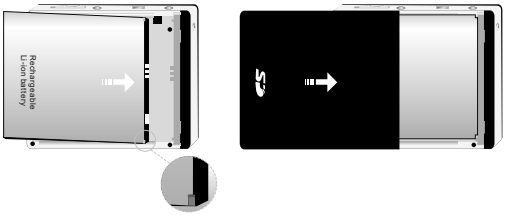



⑫

① Recording symbol
② Motion detection symbol
③ Date/Time
④ Number of frames indicator
⑤ Battery indicator
⑥ SD card symbol
⑦ Cyclic recording symbol
⑧ Elapsed recording time
⑨ Remaining memory
⑩ Recorded video files
⑪ Recorded audio files
⑫ Recorded photo files

## Battery Installation

Your Yukon MPR operates with a mobile phone battery pack (KB-02 series)




### Installing the battery

Open the cover by slightly pushing and pull it back.
Insert the battery pack with the corner of " " facing towards the battery compartment as illustrated.
Close the battery cover.

### Charging the battery

Connect the USB cable to the AC power adapter. Insert the USB cable into the USB port (4) of your MPR.
The LED indicator (3) on your MPR lights red when charging is in progress.
The battery is fully charged when the LED indicator goes off.

### Charging time

| Battery pack capacity | Full charge time (approx.) |
|---|---|
| 1400 mAh | 240 min |

## Battery life

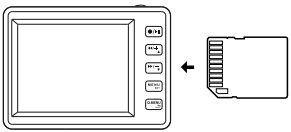
### Movie recording mode

| Battery pack capacity | Continuous recording time (approx.) |
|---|---|
| 1400 mAh | 140 min (fully charged battery) |

### Movie playback mode

| Battery pack capacity | Continuous recording time (approx.) |
|---|---|
| 1400 mAh | 240 min (fully charged battery) |

## Inserting the SD card



Insert the SD card with the " " mark facing the SD slot as illustrated.

## Recording time based on memory capacity

| SD card capacity | 720x480 | 640x480 | 320x240 |
|---|---|---|---|
| 2GB | Approx. 65 min | Approx. 75 min | Approx. 310 min |
| 4GB | Approx. 130 min | Approx. 150 min | Approx. 620 min |
| 8GB | Approx. 260 min | Approx. 300 min | Approx.1240 min |
| 16GB | Approx. 520 min | Approx. 600 min | Approx. 2480 min |
| 32GB | Approx. 1040 min | Approx. 1200 min | Approx. 4960 min |

## Basic Operations

### One Touch Record

Moving images are recorded in AVI (MPEG-4) format.

### One Touch Record (video and audio)

a. When the MPR is turned off, connect a digital NV device and slide the switch button (5) upwards. The LED indicator flashes red meaning video and audio recording is in progress.

b. Slide the switch button (5) downwards to save a video and audio recording.

### One Touch Record (audio)

a. When the MPR is turned off, do not connect a digital NV device and slide the switch button (5). The LED indicator flashes green meaning audio recording is in progess.

b. Slide the switch button (5) downwards to save your audio recording.

### LED Indicator

**Recording video:** flashing red
**Recording audio:** flashing green
**Normal operation:** stable blue
**No signal/Low power/Memory full alarm:** flashing blue
**Fully charged:** red light off
**Charging:** red light is on

### Exposure value (EV) adjustment

EV can be adjusted in Preview/Record mode
EV adjustment range: -3 to +3

### Slide Show

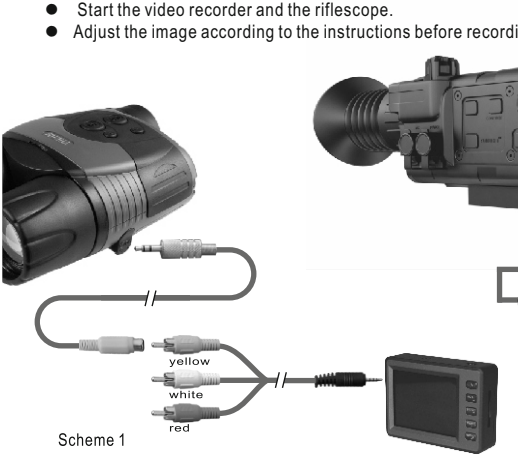
In photo playback mode, press [●/⏯] to enable photo slide show.

**Recording with digital night vision monoculars Ranger 5x42/Ranger Pro 5x42**

- Connect the plug of the Ranger's AV cable to the Ranger's "AV out" port (see scheme 1 below).
- Connect the yellow plug of the recorder's AV IN cable to the yellow jack of the Ranger's AV cable.
- Connect the thin plug of the recorder's AV IN cable to the "CAM IN" port of the video recorder.
- Start the video recorder, turn on the NV Ranger 5x42/Ranger Pro 5x42.
- Adjust the image according to the instructions before recording.

**Recording with digital riflescopes Digisight N550/N750**

- Connect the yellow plug of the included Digisight N550/N750 cable to the "AV out" port of the digital riflescope (see scheme 2).
- Connect the other plug of the Digisight N550/N750 cable to the "CAM IN" port of the video recorder.
- Start the video recorder and the riflescope.
- Adjust the image according to the instructions before recording.




Scheme 1

Scheme 2

## Basic Operations

### Motion Detection

**Moving image are recorded in AVI (MPEG-4) format.**

a. When the MPR is off, connect a digital NV device, press and hold the power button [⏻] for two seconds to enter preview screen.
b. Press the menu button [MENU SET] and select "System setting", press [●/▶II] to enter System Setting menu.

c. Press [◀/☀+▲] or [▶/☀-▼] and select "Motion detection"

d. Select "ON" and press [●/▶II] to activate the Motion Detection function as illustrated.

After setting, return to the preview screen by pressing [●/▶II].
Sign “AUTO” in the upper part of the screen means motion detection is activated.

## Overwrite Enable (cyclic recording)

a. When the MPR is off, connect a digital NV device, press and hold the power button[ ⏻ ] for two seconds to enter preview screen.
b. Press the menu button [MENU SET], select "System setting" and press [●/▶II] to enter System Setting menu.

c. Press [◀◀/+▲] or [▶▶/-▼] and select "Overwrite Enable".

d. Select "ON" and press [●/▶II] to start enable overwrite.

After setting, return to the preview screen, "[ ⟲ ]" shows in the bottom-left part of the screen.

## Basic Operations

### Playback

a. In the state of preview, press [MENU SET], select "Record Playback".

b. Select "Video", "Photo" or "Audio" and press [●/▶II].

c. Enter "Video", select the required video file with [◀/+▲] or [▶/−▼] key.
d. Press [●/▶II] key to play back the selected video file.

e. Press [●/▶II] key to stop playback.
f. Press [MENU] key to return to the list of recorded files.
Enter "Photo" and "Audio" mode, operation procedure is the same as described above.

## Recording moving images

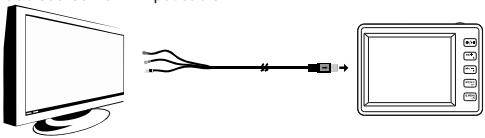
a. Press and hold the power button [ ⏻ ] for two seconds to enter preview screen.

b. Press [●/▶II] to start recording, the red LED indicator is flashing during recording. "Rec" shows in the upper left corner of the screen.

c. Press [MENU] to stop and save a recording, the red LED goes off.

## Recording moving images from TV set and other video sources

a. When the MPR is off, connect the MPR with TV or another video source via AV input cable.



b. Press [ ⏻ ] and hold for two seconds to enter preview screen.
c. Press [●/▶II] to start recording, the LED indicator flashes red during recording. "Rec" shows in the upper left corner of the screen.

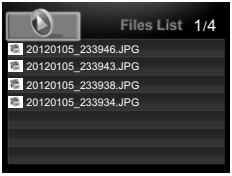
## Basic Operations

### Playback of media files on MPR (music, movie, photo)

a. In the state of preview, press [MENU/NO] to enter the Media Playback mode.

b. Enter "Photo", select the required Photo files with [◄◄/+] or [►►/-] key.

c. Press [●/II] key to play back the selected photo file.
d. Press [●/II] key to stop playing.



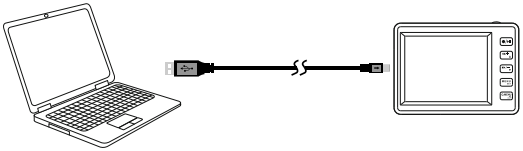

e. Press [MENU] key to return the list of recorded files.
Enter "Music" or "Movie" mode, operation is the same as described above.

## Basic Operations

### Playback of moving images on PC (video, photo, audio)

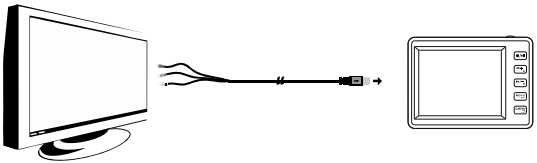
a. Remove the SD card, connect it with the computer via a card reader.

b.Connect the MPR with the computer via a USB cable. "PC Connection" message shows on the screen.



### Playback of moving images on TV screen (video, photo, audio)

a. In the state of preview, connect the MPR with TV/monitor via AV output cable.



b.Press the [MENU]button, select "System Setting"

## Basic Operations

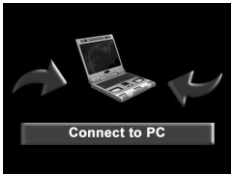
c. Press [ ⏮/+ ] or [ ⏭/− ], and [ ●/⏯ ] in "TV-OUT Setting" option to select "PAL" or "NTSC". Image will be transmitted from the MPR to the TV.

d. Further operations are the same as the MPR's (playback of moving images on the MPR).

## Basic Operations

### Updating media files (music, movie, photo)

a. Remove the SD card, connect it with the computer via a card reader.
b. Connect the MPR with the computer via a USB cable.
"PC Connection" message shows on the screen.



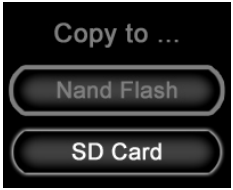

c. Media formats

| | |
|---|---|
| Music | MP3/MP2.5 |
| Movie | AVI |
| Photo | JPG/JPEG |

### Copying recorded files

a. In the playback mode, press [●/▶II] to enter submenu.
b. Select the required file, press [MENU SET].

c. Select "Copy to", Press "Nand flash" or "SD" as illustrated.

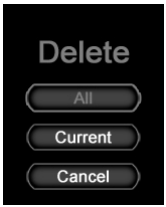


Basic Operations

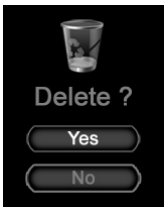
## Deleting recorded files

a. In the playback mode press [●/▶II] to enter submenu.
b. Select the required file, press [MENU SET].

c. Select "Delete", press "All" or "Current" or "Cancel" as illustrated.



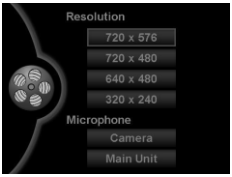

d. Press [●/▶II], select "Yes" or "No" as illustrated.

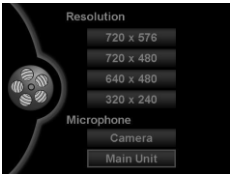


## Setting Operations

### Setting recording parameters

a. In the state of preview,press [MENU] into record system setting.
b. Select “Resolution" and "Microphone" submenu, press [●/▶II].
You can use either internal microphone or attach an external one using microphone input (2).




c. Press [MENU] to back to the state of preview.

### Resolution setting

a. In the state of preview, press the [MENU SET] button, select "System setting".
b. Press [◀◀/+] or [▶▶/−], select "Resolution".
c. Select "720x576" or "720x480" or "640x480" or "320x240"and press [●/▶II].

d. Press [MENU] to return to the system setting menu.

Setting Operations

## Frame rate setting

a. In the state of preview, press the [MENU SET] button, select "System setting ".
b. Press [◀◀/+▲] or [▶▶/−▼], select "FPS Setting" as illustrated.

c. Select "15FPS", "25FPS" or "30FPS"and press [●/▶II].
d. Press [Q.MENU] to return to the system setting menu.

## Storage setting

a. In the state of preview, press the [MENU SET] button, select " System setting ".
b. Press [◀◀/+▲] or [▶▶/−▼], select " Storage select ".

c. Select “Internal Memory" or "SD Card" and press [●/▶II].
d. Press [Q.MENU] to return to the system setting menu.

## Setting video time

a. In the state of preview, press the [MENU] button, select "System setting".
b. Press [◀◀/+] or [▶▶/−], select "Video Time".

c. Select "10 Minutes", "20 Minutes" or "30 Minutes" and press [●/▶II].
d. Press [Q.MENU] to back to system setting menu.

## Setting TV-OUT

a. In the state of preview, press the [MENU] button, select "System setting".
b. Press [◀◀/+] or [▶▶/−], select the "TV-OUT Setting" as illustrated.

c. Select "LCD", "PAL" or "NTSC"and press [ ●/▶II].
d. Press [Q.MENU] to return to the system setting menu.

## Setting Operations

### Setting LCD OFF

a. In the state of preview, press the [MENU/SET] button, select "System setting ".
b. Press [◀/+] or [▶/−], select the "LCD OFF" as illustrated.

c. Select "1 Minute", "5 Minutes" or “Disabled" and press [●/▶II].
d. Press [Q.MENU] to return to the system setting menu.

### Setting MPR’s Auto Off

a. In the state of preview, press the [MENU/SET] button, select "System setting ".
b. Press [◀/+] or [▶/−], select the “Auto Off DVR" as illustrated.

c. Select "1 Minute", "5 Minutes" or " Disabled "and press [●/▶II]
d. Press [Q.MENU] to return to the system setting menu.

Setting Operations

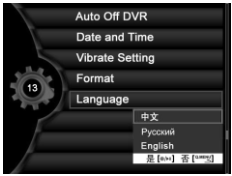
## Setting Vibration

a. In the state of preview, press the [ MENU/SET ] button, select "System setting ".
b. Press [◀◀/+] or [▶▶/−], select the "Vibrate Setting" as illustrated.

c. Select "ON" or "OFF" and press [●/▶II].
d. Press [MENU] to return to the system setting menu.

## Language Setting

a. In the state of preview, press the [ MENU/SET ] button, select "System setting".
b. Press [◀◀/+] or [▶▶/−], select "Language".



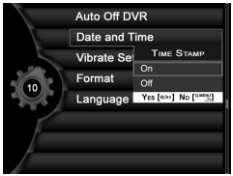

c. Select the required language and press [●/▶II].
d. Press [MENU] to return to the system setting menu.

## Setting Operations

### Setting date and time

a. In the state of preview, press the [MENU] button, select "System setting ".
b. Press [◄/▲] or [►/▼] and select “Date and time".

c. Select "Time stamp", select "ON" or "OFF", press [●/►I].as illustrated.




d. Select " Time setting " to set up the date. as illustrated.

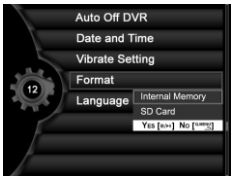
e. Press [MENU] to return to the system setting menu.

Setting Operations

## Setting Format

a. In the state of preview, press the [MENU/SET] button, select "System setting ".
b. Press [◀/+] or [▶/⌐], select "Format".

c. Select “Internal Memory" or "SD Card", press [●/▶II] as illustrated.




d. Press [MENU/⌐] to back to system setting menu as illustrated.

**WARNING! FORMATTING WILL DELETE ALL DATA.**

## Specifications

| | | |
|---|---|---|
| Model# | 27041 | |
| Screen | 2.5" TFT LCD | |
| Color system | PAL/NTSC | |
| Resolution | 320x240 | |
| Recording format | AVI | |
| Recording resolution | 720x576 | |
| | 720x480 | |
| | 640x480 | |
| | 320x240 | |
| Frame rate | 30fps/25fps/15fps | |
| Motion detection | Yes | |
| Cycle recording | Yes | |
| Time stamp | Yes | |
| Video time | 10/20/30Mins | |
| LCD Off | 1/3/5 Mins/Never | |
| Auto Power Off | 5/10 Mins/Never | |
| Vibration Function | Yes | |
| TV-OUT | NTSC/PAL | |
| AV-IN | LCD/NTSC/PAL | |
| Storage | Flash memory | |
| | SD Card | |
| Playback | Video | Yes |
| | Audio | Yes |
| | Photo | Yes |
| Media | Yes/Music/Movie/Photo | |
| Built-in flash memory | 180MB | |
| USB jack | USB2.0 | |
| DC Input | DC 5V 1A | |
| Battery pack capacity | 3.7V 1400mAh | |
| SD card | 1GB~32GB | |
| Power supply | DC 5V 200mAh | |
| AV Input jack | 3 rings with 2.5mm | |
| AV Output jack | USB-AV jack | |
| Interface | English, Russian, Chinese, German, Spanish, Italian, French, Czech, Swedish | |

# Warranty

The Manufacturer warrants its products against defects in materials and workmanship for a period of three years from the moment of purchase or from the manufacturing date if there is no receipt to prove purchase.

To avoid any problems, we recommend becoming familiar with the device's user manual.

The warranty does not cover any external damage to the device, its casing or adjustable parts' movements (i.e. smooth movement or rough movement).

The manufacturer has the right to render the warranty null and void in the following cases:

- if the device has been modified or tampered with,
- if the device has been dropped or has marks of mechanical or chemical damage,
- if the device has been tampered with by unauthorized repair,
- if the device has been damaged as a result of fire or natural disasters,
- if the device has been damaged as a result of liquids or other substances getting inside.

In the event of activating the warranty repair service, please contact the distributor where the device was purchased or contact the national distributor in your country.

Any product returned under this warranty should be packaged in a sturdy, outsideshipping carton, to prevent damage in transit.

In addition, it must be accompanied with the following items:

- Letter explaining the unit's problem.
- Copy of the original receipt showing when and where the product was purchased.
- Return Shipping Information, including return address and contact person.

Please contact our service centre with any questions you might have at e-mail: euservice@yukonopticsglobal.com

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